

## "Invalid stream network" error when discretizing watersheds?

Posted by isburns - 2007/11/03 23:02

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An invalid stream network basically contains more than one branch. The numbers refer to the ARCIDs of the unconnected streams. In some cases, two separate branches exit the watershed close to the specified outlet location but never connect. The only solution is to adjust the outlet location and redelineate the watershed. If the error occurs when using a SWAT subwatershed, the best option is to use the subwatershed to identify the outlet and use that to create a new watershed from a point location.

This error can also occur when creating nested or multiple watersheds, but, in this case, the error is not related to the outlet. The error here is generally along the edge of the watershed where two or more streams end at the boundary without connecting. Sometimes, the error can be corrected by increasing the CSA (usually significantly); however, this often does not adequately resolve the problem, as the discretization may contain other fatal errors that had not yet been identified. You can discretize the problem watershed separately from the watershed group (with that group rediscretized without the problem watershed) and append the new watershed to the group with the Edit watershed group option.

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